

## FACT SHEET

**HAZARDOUS WASTE TREATMENT PERMIT APPLICATION  
DAICEL SAFETY SYSTEMS AMERICA, LLC.  
720 OLD LIBERTY CHURCH RD.  
BEAVER DAM, OHIO COUNTY, KENTUCKY 42320  
EPA I.D. KYR-000-034-207, AI 6238**

The Kentucky Environmental and Public Protection Cabinet's (Cabinet) Division of Waste Management (Division), has tentatively decided to grant the issuance of a new hazardous waste treatment permit for Daicel Safety Systems America, LLC (Permittee). Daicel Safety Systems America, LLC.(DSSA) is located on 720 Old Liberty Church Rd., Beaver Dam, KY. 42320.

**A Public Meeting is scheduled with a Public Hearing to immediately follow on July 17, 2006, 7:00pm at the Beaver Dam Elementary School located at 183 US Hwy. 62 East in Beaver Dam, KY.**

### **Purpose of the Permitting Process**

The purpose of the permitting process is to afford the Cabinet, interested citizens and other governmental agencies the opportunity to evaluate the ability of the Permittee, Daicel Safety Systems LLC., to comply with applicable hazardous waste management regulations promulgated under the Kentucky Revised Statutes (KRS). The Cabinet is required to prepare a draft permit which sets forth, in one concise document, all applicable requirements with which the Permittee will be required to comply with during the ten (10) year duration of the permit. The public is given forty-five (45) days to review the application and comment on the draft permit prior to the Cabinet taking a final permitting action. Public health, safety and environmental aspects of the proposal have been considered in the review of the permit application.

### **How to Make A Comment on the Tentative Decision to Grant the Permit**

The issuance of a hazardous waste permit to is to be coordinated by the Cabinet. Chapter 38 of the Kentucky Administrative Regulations Title 401 requires that the public be given a forty-five (45) day comment period for each draft permit prepared under Kentucky Revised Statutes. The comment period begins on Thursday, June 1<sup>st</sup>, 2006, coincident with the date of the publication of the Public Notice in a major local newspaper of general circulation the Public Notice will appear in the "Ohio County Times-News," and broadcasted via -WAIA 1600-AM/WXMZ 106.3-FM Radio Stations. **The public comment period will end on July 17, 2006 at midnight.** Any person interested in submitting comments must do so within the forty-five (45) day comment period discussed above. All persons wishing to submit a comment should contact, in writing:

Ms. April J. Webb  
Division of Waste Management  
14 Reilly Road  
Frankfort, Kentucky 40601

Electronic comments, anyone needing additional information or wanting to be added to the facility mailing list may be submitted to: [Dede.Grisham@ky.gov](mailto:Dede.Grisham@ky.gov).

The administrative record, which includes the draft permit and related information can be reviewed at two locations:

Ohio County Public Library  
413 Main Street  
Hartford, Kentucky.  
Point of contact:  
Melissa Acquaviva  
(270) 298-3790

Division of Waste Management  
14 Reilly Road  
Frankfort, Kentucky 40601  
Point of Contact:  
Maria Wood  
(502) 564-9232 (Fax)  
email: [maria.wood@ky.gov](mailto:maria.wood@ky.gov)

To make an appointment, submit a written request to Ms. Maria Wood at least 72 hours prior to the desired review date. This information can also be reviewed at the Division of Waste Management's Frankfort office between 8:30 a.m., and 4:00 p.m., Monday through Friday by appointment only. Copying charges are 10 cents per page and \$3 for each map. Upon request, this information can be made available in alternative formats.

A public hearing will be held immediately after the public meeting scheduled on July 17, 2006 at 7:00pm at the Beaver Dam Elementary School previously mentioned. The Cabinet will designate a presiding officer to conduct the hearing in an orderly manner. The meeting facility will also be accessible to persons with disabilities. To request appropriate accommodations for the public hearing (such as an interpreter) contact Ms. Dede Grisham at (502) 564-6716, ext. 163.

The Cabinet will consider all comments received during the comment period in formulating a final decision. After consideration of all oral and written comments, and requirements of state laws and regulations, the Secretary of the Environmental and Public Protection Cabinet will make a final decision regarding permit issuance. If the tentative decision to issue a permit is substantially changed, the Cabinet will issue a public notice indicating a revision of decision. If the tentative decision to issue a permit is substantially unchanged notice of approval will be given to the applicant, each person who has submitted comments, or who has requested notice of the final permit decision.

When a final permit is issued, the Cabinet will also release a Response to Comments document. All significant comments and Cabinet response to comments on the draft permit, will be included in the Response to Comments document. Any person who may be aggrieved by the issuance of the hazardous waste permit for this facility, may file with the Cabinet a petition, which sets forth the grounds of the objection and demands for a formal administrative hearing pursuant to KRS 224.10-420(2). The administrative hearing is held before a hearing officer and all parties are advised to have legal counsel present.

***The Kentucky Division of Waste Management does not discriminate on the basis of race, color, national origin, sex, religion, age, ancestry, veteran status or disability. The Division provides, on request, reasonable accommodations necessary to afford an individual with a disability an equal opportunity to participate in all services, programs and activities. To request alternative formats for printed information, and/or to be placed on the Hazardous Waste Branch's mailing list to receive relevant updates on this matter, contact Ms. DeDe Grisham at (502) 564-6716, ext. 163.***

#### **Facility and Processing Description**

This permit will allow the facility to treat a hazardous waste stream generated on-site. DSSA currently assembles automotive crash airbag inflators. Airbag inflators consist of gas generator pellets enclosed in a housing containing recyclable metal. An airbag initiator is activated by a signal from the vehicle's crash detection system. This signal electrically triggers a chemical chain reaction that sets off gas generator pellets. These pellets release large quantities of gas (primarily nitrogen and carbon dioxide) at a rapid rate, to quickly inflate the airbag.

These gas generator pellets are classified as hazardous waste because they exhibit a reactive characteristic. They carry a D003 waste code according to Kentucky regulation 401 KAR 31:03, Section 4(f). They are capable of detonating and producing an explosive reaction.

DSSA plans to treat off-spec gas generator pellets. The treatment method is open burning in a metal cage on a concrete pad. The treatment unit is called a Pellet Burn Cage. This unit consists of a 6-foot by 6-foot steel pan surrounded on all four sides by a 7-foot tall wire mesh cage. The Pellet Burn Cage contains the pellets during the burn. The burn cage is placed on a 27' x 27' concrete pad with a sump and 6" perimeter berms. A maximum quantity of 100 pounds of pellets is placed on the bottom of the steel pan at any one time. During an open burn, the chemical chain reaction is triggered by a spark ignition. Following the burn, chemically-inert, non-hazardous residue remains. It is mostly clay. It will be disposed of as a solid waste.

The pre-burn waste pellets will be stored in a waste storage magazine designed for explosives. No more than 4000 pounds of hazardous waste will be stored in the waste storage magazine at any one time. The waste will not be stored for more than 90 days, exempting DSSA from RCRA hazardous waste storage conditions.